Technical Data

ALESCO

Kansai Paint Protective Coatings

EPOMARINE PC100 TOPCOAT

GENERIC TYPE
Epoxy Tank Coating

DESCRIPTION
A highbuild rust preventive paint for internal surface of tanks based on epoxy resin with chemical resistant pigments incorporated and amine adduct hardener

RECOMMENDED USE
Steel structure at marine or industrial severe corrosive environment

FEATURES
- Highbuild coating
- Excellent resistance to cathodic protection
- Tough, hard and highly abrasion resistance
- Excellent adhesion to the surface coated with Epomarine PC 100 PRIMER.
- High resistance to crude and heavy oils, aliphatic hydrocarbon solvent and many chemicals
- Excellent resistance to water and sea water

PHYSICAL PROPERTIES

Colour	Grey , Light Grey , White
Finish	Semi-gloss
Volume Solids	45 %
Typical Thickness	Dry : 100 microns / coat
Theoretical Coverage	4.5 m^2/L at 100 microns DFT *Practical coverage vary depending on loss factors.
Flash Point	Base : 27°C, Hardener : 9°C
Specific Gravity	1.21 g/cm^3 (White)
VOC	472 g/L
Temperature Resistance	Consult Kansai Paint representative

*These numerical values are subject to normal manufacturing tolerances, colours and testing variances.

SURFACE PREPARATION
- All surfaces to be coated should be completely clean, dry and free from contamination. Surface preparation method shall be in accordance with ISO 8504: 2000.
- Remove salt and other water-soluble contaminants by fresh water.
- Remove oil and grease with suitable detergent or solvent (SSPC-SP-1).
- Remove rust, mill scale and other loose material completely by abrasive blasting (ISO8501-1:2007 Sa 2 1/2 or SSPC SP-10) .

APPLICATION

Application Conditions	Ambient temperature shall be above 5°C and relative humidity shall be below 85%. Surface temperature shall be a minimum of 3°C above dew point. Adequate ventilation shall be provided in confined spaces to ensure proper drying.
Mixing	Stir each component with power agitator well before mixing. Then power mix two components.
Mixing ratio	Base/Hardener = 80/20 by weight
Induction Time	15 minutes after mixing base and hardener when ambient temperature is below 10°C.
Application Method	Airless spray Thinner : Tect EP Thinner for interior (0-10% by weight) Nozzle pressure: Not less than 10Mpa Nozzle Tip : No.163-619～623 Power mix thinner if required. *Too much thinning results sagging and slower cure.

Clean Up	Clean all the equipment with thinner immediately after use.			
Pot Life		5 °C	20 °C	30 °C
		12 hour(s)	8 hour(s)	5 hour(s)
	*Use all mixed paint within pot life.			
Drying Time		5 °C	20 °C	30 °C
	Surface dry	3 hour(s)	2 hour(s)	1 hour(s)
	Touch dry	48 hour(s)	16 hour(s)	12 hour(s)
	*Drying time may vary depending on film thickness, ventilation, humidity, undercoat paint condition etc.			
Overcoating Interval		5 °C	20 °C	30 °C
	Minimum	48 hour(s)	16 hour(s)	16 hour(s)
	Maximum	14 day(s)	7 day(s)	7 day(s)
	*The overcoating intervals are based on overcoating with same or same type of paint.			
Typical undercoat	EPOMARINE PC 100 UNDER COAT			
Typical topcoat	EPOMARINE PC 100 TOP COAT			

SAFETY PRECAUTIONS

Detail information is given on Material Safety Data Sheet (MSDS). Avoid inhalation of spray mist or vapour. Avoid skin and eye contact. Paint contacted with skin should be immediately removed with water and/or suitable cleanser. Eyes should be flushed with water and seek immediate medical attention. Since this product contains flammable solvents, keep away from sparks and open flames. Application and handling of this product should be in compliance with relevant national regulations.

STORAGE

Store in dry, cool condition and away from sources of heat and ignition. Containers must be kept tightly closed. Store conditions shall be in accordance with national regulations.

SHELF LIFE

12 months from date of production

GENERAL REMARKS

- Surface preparation is blast cleaning only. Power tool cleaning surface is not suitable.
- Paint film shall be dried enough before overcoating. Insufficient drying may cause paint defect such as blistering.
- Good ventilation is required during application and drying, and avoid ignition and flame.

*If any inquiries, please consult Kansai Paint representative for further information.

ISSUED DATE : **12Nov2009**